

PAT-NO: JP402118465A
DOCUMENT-IDENTIFIER: JP 02118465 A
TITLE: SWITCH DIAGNOSTIC DEVICE

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Abstract Text - FPAR (2):

CONSTITUTION: A measurement part 1 measures the specific state quantity regarding the life of the switch, e.g. the contact resistance of the contact part, etc., at every number of times of the constant operation. This measurement part 1 includes a counter which counts the number of times of switch operation. A storage part 4 is stored with measurement data and setting data on a criterion, etc., and 1st and 2nd arithmetic parts 2 and 3 calculate the predicted value of the remaining life of the switch. Then when the measurement part 1 measures the state quantity of the switch at the number of times of the constant operation, the arithmetic parts 2 and 3 calculates the predicted value of the remaining life from current measurement data and last measurement data and a comparison part 5 compares them with the preset criterion to output a diagnostic result indicating whether or not the switch needs to be replaced.